

# EAST Search History

R.A.

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	57	(law near3 ho\$2kee)   (dong near3 sheng)   (prabhu near3 amal)   (kikuchi near3 toshiki)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/29 16:38
S2	39660	joy\$1stick\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/29 16:38
S3	2	S1 & S2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/29 16:42
S4	170	(joy\$2pad)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/29 16:43
S5	118	(joy\$2pad same joy\$1stick)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/29 16:51
S6	4	("6977811"   "7038717").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/29 16:58
S7	1456	(((((cursor   direction\$2   navigation\$2)   joy\$1pad   (joy adj pad)) near3 (key\$1   pad\$1   button\$1   switch\$2)) with (joy\$1stick   (stick near3 (mouse   track   cursor))))))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/29 17:14
S8	56	((integrat\$3   combin\$3) same (((cursor   direction\$2   navigation\$2)   joy\$1pad   (joy adj pad)) near3 (key\$1   pad\$1   button\$1   switch\$2)) with (joy\$1stick   (stick near3 (mouse   track   cursor))))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/29 17:04
S9	1503	(((((cursor   direction\$2   navigation\$2) near3 (key\$1   pad\$1   button\$1   switch\$2))   joy\$1pad   (joy adj pad)) with (joy\$1stick   (stick near3 (mouse   track   cursor))))))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/29 17:16

## EAST Search History

S10	60	(((((cursor   direction\$2   navigation\$2) near3 (key\$1   pad\$1   button\$1   switch\$2))   joy\$1pad   (joy adj pad)) with (joy\$1stick   (stick near3 (mouse   track   cursor)))) same (integrat\$3   combin\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/29 17:18
S11	4	S10 not S8	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/29 17:17
S12	136	(((((cursor   direction\$2   navigation\$2) near3 (key\$1   pad\$1   button\$1   switch\$2))   joy\$1pad   (joy adj pad)) with (joy\$1stick   (stick near3 (mouse   track   cursor)))) same (surround\$3   "near"   adjacent   encircl\$3   neighbor\$3   clos\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/29 17:25
S13	131	S12 not (S10   S8)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/29 17:26
S14	193	(((((cursor   direction\$2   navigation\$2) near3 (key\$1   pad\$1   button\$1   switch\$2))   joy\$1pad   (joy adj pad)) with (joy\$1stick   (stick near3 (mouse   track   cursor)))) same (both   together))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/30 12:32
S15	162	S14 not (S10   S8   S13)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/29 17:26
S16	8	("20040041787" "4769517" "5541622" "5675309").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/29 17:35
S17	25	("20020165005"   "20020196234"   "20030081016"   "20030117374"   "20030162540"   "5473347"   "6278442"   "6313731"   "6323845"   "6388660"   "6396482"   "6424843"   "6437682"   "6452588"   "6489950"   "6628511"   "6677927"   "6726106"   "6758615"   "6763226"   "D416256"   "D433460"   "D460493"   "D461803"   "D464995").PN. OR ("6977811").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/29 17:37

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S18	2012	((joy\$1stick   (stick near3 (mouse   track   cursor))) same (((cursor   direction\$2   navigation\$2) near3 (key\$1   pad\$1   button\$1   switch\$2))   joy\$1pad   (joy adj pad)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/30 12:38
S19	507	((joy\$1stick   (stick near3 (mouse   track   cursor))) same (((cursor   direction\$2   navigation\$2) near3 (key\$1   pad\$1   button\$1   switch\$2))   joy\$1pad   (joy adj pad)) same (middle   between   center\$2   in\$1between   central   mid\$1point  median))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/30 12:41
S20	149	((joy\$1stick   (stick near3 (mouse   track   cursor))) with (((cursor   direction\$2   navigation\$2) near3 (key\$1   pad\$1   button\$1   switch\$2))   joy\$1pad   (joy adj pad)) with (middle   between   center\$2   in\$1between   central   mid\$1point  median))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/30 13:12
S21	197661	("345"/\$!.ccls.   "361"/\$!.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/30 12:53
S22	100	(S19 & S21) not S20	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/30 13:01
S23	258	S19 not (S20   S22)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/30 13:49
S24	2	((joy\$1stick   (stick near3 (mouse   track   cursor))) with (((multi\$1function\$3) near3 (key\$1   pad\$1   button\$1   switch\$2))   joy\$1pad   (joy adj pad)) with (middle   between   center\$2   in\$1between   central   mid\$1point  median))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/30 13:13
S25	9	((joy\$1stick   (stick near3 (mouse   track   cursor))) with (((multi\$1function\$3   manipul\$5) near3 (key\$1   pad\$1   button\$1   switch\$2))   joy\$1pad   (joy adj pad)) with (middle   between   center\$2   in\$1between   central   mid\$1point  median))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/30 13:13

## EAST Search History

S26	1491	(345/161.   361/686).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/30 13:14
S27	1885	(joy\$1stick same (((cursor   direction\$2   navigation\$2) near3 (key\$1   pad\$1   button\$1   switch\$2))   joy\$2pad   (joy adj2 pad)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/30 13:16
S28	1400	(joy\$1stick with (((cursor   direction\$2   navigation\$2) near3 (key\$1   pad\$1   button\$1   switch\$2))   joy\$2pad   (joy adj2 pad)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/30 13:16
S29	158	((integrat\$3   combin\$3   surround\$3   both   together   middle   center\$2   between   in\$1between) with joy\$1stick with (((cursor   direction\$2   navigation\$2) near3 (key\$1   pad\$1   button\$1   switch\$2))   joy\$2pad   (joy adj2 pad)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/30 13:17
S30	24	("4575591"   "4786768"   "4825019"   "4945357"   "5034574"   "5065146"   "5140313"   "5343219"   "5476261"   "5532476"   "5541622"   "5615083"   "5805141").PN. OR ("5883690").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/30 13:23
S31	1	("2002/0151282").URPN.	USPAT	OR	OFF	2006/12/30 13:24
S32	0	("2004/0085289").URPN.	USPAT	OR	OFF	2006/12/30 13:25
S33	25	("20020165005"   "20020196234"   "20030081016"   "20030117374"   "20030162540"   "5473347"   "6278442"   "6313731"   "6323845"   "6388660"   "6396482"   "6424843"   "6437682"   "6452588"   "6489950"   "6628511"   "6677927"   "6726106"   "6758615"   "6763226"   "D416256"   "D433460"   "D460493"   "D461803"   "D464995").PN. OR ("6977811").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/30 13:27
S34	24	("5231386"   "5429006"   "5550339"   "5744765"   "5824978"   "5828363"   "5912612"   "5926440"   "5949325"   "5986228").PN. OR ("6313731").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/30 13:28

## EAST Search History

S35	394	(thumb near4 joy\$1stick)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/30 13:52
S36	1	(bevel\$3 near4 joy\$1stick)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/30 13:53
S37	40	(bevel\$3 same joy\$1stick)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/30 13:54
S38	6	(bevel\$3 same (circul\$3   circl\$3   round\$3   spher\$5) same joy\$1stick)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/30 14:08
S39	5	(joy\$2pad   (joy adj2 pad)) same (touch adj pad)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/30 14:10
S40	2144	(joy\$2stick) with (touch adj pad)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/30 14:11
S41	102	(joy\$2stick) with (touch adj pad) with (integrat\$3   combin\$3   surround\$3   both   together   middle   center\$2   between   in\$1between)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/30 14:11
S42	1	2001-256112.NRAN.	DERWENT	OR	OFF	2006/12/30 14:31
S43	0	(analog near4 continuos near4 joy\$stick)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/30 15:41
S44	0	(analog with continuos with joy\$stick)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/30 15:42
S45	7	(analog near4 continuous near4 joy\$stick)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/30 15:41
S46	11	(analog with continuous with joy\$stick)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/30 15:45

## EAST Search History

S47	4	S46 not S45	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/30 15:42
S48	573	((analog   continuous) near3 joy\$stick)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/30 15:46
S49	481	((analog   continuous) near2 joy\$stick)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/30 15:47
S50	117	S21 & S49	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/30 15:46
S51	0	((analog   continuous) same joy\$stick same bevel same(circul\$3   circl\$3   round\$3   spher\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/01/01 12:37
S52	1	((analog   continuous) same joy\$stick same (circul\$3   circl\$3   round\$3   spher\$5)) & bevel	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/30 15:53
S53	1	((analog   continuous) same joy\$stick same (circul\$3   circl\$3   round\$3   spher\$5   curv\$2   disk)) & bevel	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/30 15:54
S54	3	((analog   continuous) same joy\$stick same (circul\$3   circl\$3   round\$3   spher\$5   curv\$2   disk)) & bevel\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/30 15:55
S55	143	((analog   continuous) same joy\$stick same (circul\$3   circl\$3   round\$3   spher\$5   curv\$2   disk)) & (flush\$3   level   even)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/30 15:56
S56	22	((analog   continuous) same joy\$stick same (circul\$3   circl\$3   round\$3   spher\$5   curv\$2   disk) same (flush\$3   level   even))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/30 16:04
S57	13	((analog   continuous) same joy\$stick same (circul\$3   circl\$3   round\$3   spher\$5   curv\$2   disk) same (edge\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/30 16:06
S58	10	((analog   continuous) same joy\$stick same (circul\$3   circl\$3   round\$3   spher\$5   curv\$2   disk) same (slant\$3   inclin\$3   slop\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/30 16:07

## EAST Search History

S59	10	((analog   continuous) same joy\$stick same (circul\$3   circl\$3   round\$3   spher\$5   curv\$2   disk) same (thumb   digit))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/30 16:08
S60	12	((analog   continuous) same joy\$stick same (circul\$3   circl\$3   round\$3   spher\$5   curv\$2   disk) same (thumb   digit   finger))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/30 16:08
S61	49	((analog   continuous) same joy\$stick same (circul\$3   circl\$3   round\$3   spher\$5   curv\$2   disk) & (thumb   digit   finger))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/30 16:10
S62	9	((analog   continuous) same joy\$stick same (circul\$3   circl\$3   round\$3   spher\$5   curv\$2   disk) same (cap   cover   top))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/30 16:12
S63	1	((analog   continuous) same joy\$stick same (circul\$3   circl\$3   round\$3   spher\$5   curv\$2   disk) same (concave   convex))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/30 16:12
S64	14	((analog   continuous) same joy\$stick same (circul\$3   circl\$3   round\$3   spher\$5   curv\$2   disk) & (concav\$3   convex\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/30 16:13
S65	8	("4499895"   "4895431"   "5007406"   "5159446"   "5255668"   "5279559"   "5373317"   "6569086").PN. OR ("6752758").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/30 16:15
S66	1	2001-256112.NRAN.	DERWENT	OR	OFF	2007/01/01 12:24
S67	1	((analog   continuous) same joy\$stick same bevel\$7 same(circul\$3   circl\$3   round\$3   spher\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/01/01 12:37
S68	2	"7038717".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/01/01 12:57
S69	33	("4027119"   "4297542"   "4349708"   "4414438"   "4459440"   "4509383"   "4614847").PN. OR ("4769517").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/01 12:59
S70	6072	(345/156,161).ccls.   (361/686).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/08/14 14:33